

A' StyI/NcoI sites shown in Table 35. Phage isolates containing the ITI-D1::III fusion gene with the EpiNE-7 changes around the P1 position are called MA-ITI-D1E7.

Please replace the legend to Table 13 on pages 65-66 with the following:

- A²
- 1 BPTI (SEQ ID NO:87)
 - 2 Engineered BPTI From MARK87 (SEQ ID NO:88)
 - 3 Engineered BPTI From MARK87 (SEQ ID NO:89)
 - 4 Bovine Colostrum (DUFT85) (SEQ ID NO:90)
 - 5 Bovine Serum (DUFT85) (SEQ ID NO:91)
 - 6 Semisynthetic BPTI, TSCH87 (SEQ ID NO:92)
 - 7 Semisynthetic BPTI, TSCH87 (SEQ ID NO:93)
 - 8 Semisynthetic BPTI, TSCH87 (SEQ ID NO:94)
 - 9 Semisynthetic BPTI, TSCH87 (SEQ ID NO:95)
 - 10 Semisynthetic BPTI, TSCH87 (SEQ ID NO:96)
 - 11 Engineered BPTI, AUER87 (SEQ ID NO:97)
 - 12 Dendroaspis polylepis polylepis (Black mamba) venom I (DUFT85) (SEQ ID NO:98)
 - 13 Dendroaspis polylepis polylepis (Black Mamba) venom K DUFT85) (SEQ ID NO:99)
 - 14 Hemachatus hemachates (Ringhals Cobra) HHV II (DUFT85) (SEQ ID NO:100)
 - 15 Naja nivea (Cape cobra) NNV II (DUFT85) (SEQ ID NO:101)

16 Vipera russelli (Russel's viper) RVV II (TAKA74) (SEQ ID NO:102)

17 Red sea turtle egg white (DUFT85) (SEQ ID NO:103)

18 Snail mucus (Helix pomania) (WAGN78) (SEQ ID NO:104)

19 Dendroaspis angusticeps (Eastern green mamba) C13 S1 C3 toxin (DUFT85) (SEQ ID NO:105)

20 Dendroaspis angusticeps (Eastern Green Mamba) C13 S2 C3 toxin (DUFT85) (SEQ ID NO:106)

A²
21 Dendroaspis polylepis polylepis (Black mamba) B toxin (DUFT85) (SEQ ID NO:107)

22 Dendroaspis polylepis polylepis (Black Mamba) E toxin (DUFT85) (SEQ ID NO:108)

23 Vipera ammodytes TI toxin (DUFT85) (SEQ ID NO:109)

24 Vipera ammodytes CTI toxin (DUFT85) (SEQ ID NO:110)

25 Bungarus fasciatus VIII B toxin (DUFT85) (SEQ ID NO:111)

26 Anemonia sulcata (sea anemone) 5 II (DUFT85) (SEQ ID NO:112)

27 Homo sapiens HI-8e "inactive" domain (DUFT85) (SEQ ID NO:113)

28 Homo sapiens HI-8t "active" domain (DUFT85) (SEQ ID NO:114)

29 beta bungarotoxin B1 (DUFT85) (SEQ ID NO:115)

30 beta bungarotoxin B2 (DUFT85) (SEQ ID NO:116)

31 Bovine spleen TI II (FIOR85) (SEQ ID NO:117)

32 Tachypleus tridentatus (Horseshoe crab) hemocyte inhibitor (NAKA87) (SEQ ID NO:118)

33 Bombyx mori (silkworm) SCI-III (SASA84) (SEQ ID NO:119)

34 Bos taurus (inactive) BI-14 (SEQ ID NO:120)

35 Bos taurus (active) BI-8 (SEQ ID NO:121)

36:Engineered BPTI (KR15, ME52): Auerswald '88, Biol Chem Hoppe-Seyler, 369 Supplement, pp27-35 (SEQ ID NO:122).

A²
37:Isoaprotinin G-1: Siekmann, Wenzel, Schroder, and Tschesche '88, Biol Chem Hoppe-Seyler, 369:157-163 (SEQ ID NO:123).

38:Isoaprotinin 2: Siekmann, Wenzel, Schroder, and Tschesche '88, Biol Chem Hoppe-Seyler, 369:157-163 (SEQ ID NO:124).

39:Isoaprotinin G-2: Siekmann, Wenzel, Schroder, and Tschesche '88, Biol Chem Hoppe-Seyler, 369:157-163 (SEQ ID NO:125).

40:Isoaprotinin 1: Siekmann, Wenzel, Schroder, and Tschesche '88, Biol Chem Hoppe-Seyler, 369:157-163 (SEQ ID NO:126).

Please replace the heading at lines 13-14 of page 25 with the following rewritten heading:

A³

Res. Id.	EpiNE1 (SEQ ID NO:7)	Substitutions	Class
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Please replace the paragraph beginning at line 8 of page 73 with the following rewritten paragraph:

A⁴

Res. Id.	EpiNE1	Substitutions	Class
36	G	G strongly prefer'd; S, A prefer'd;	C
37	G	must be G so long as 38 is C	X
38	C	C strongly prefer'd	X
39	M	any	C
40	G	A, S, N, D, T, P	C
41	N	K, Q, S, D, R, T, A, E	C
42	G	any	C
43	N	must be N	X
44	N	S, K, R, T, Q, D, E	B
45	F	Y	B
46	K	any non-proline	B
47	S	T, N, A, G	B
48	A	any	B
49	E	any	A
50	D	any	A
51	C	must be C	X
52	M	any	A
53	R	any	A
54	T	any	A
55	C	must be C	X
56	G	any	A
57	G	any	A
58	A	any	A

Please replace line 10 of page 81 with the following rewritten line 10:

A⁵

PflMI CCANNNNntgg	1	196 (SEQ ID NO:127)
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Please replace line 23 of page 81 with the following rewritten line 23:

A⁶

XcmI CCANNNNNnnnntgg	1	711 (SEQ ID NO:128)
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Please replace Tables 207-208 (merged) on page 82 with the following rewritten Tables 207-208:

TABLES 207-208 (merged)
SEQUENCES OF THE EpiNE CLONES IN THE P1 REGION

CLONE IDENTIFIERS	SEQUENCE
	<div>1 1 1 1 1 1 1 2 2</div> <div>3 4 5 6 7 8 9 0 1</div>
BPTI (comp. only)	<div>P C K A R I I R Y (BPTI)</div> <div>(13-21 of SEQ ID NO:6)</div> <div>P C V A M F Q R Y EpiNEα</div> <div>(13-21 of SEQ ID NO:129)</div>
3, 9, 16, 17, 18, 19	<div>P C V G F F S R Y EpiNE3</div> <div>(13-21 of SEQ ID NO:10)</div>
6	<div>P C V G F F Q R Y EpiNE6</div> <div>(13-21 of SEQ ID NO:11)</div>
7, 13, 14, 15, 20	<div>P C V A M F P R Y EpiNE7</div> <div>(13-21 of SEQ ID NO:9)</div>
4	<div>P C V A I F P R Y EpiNE4</div> <div>(13-21 of SEQ ID NO:12)</div>
8	<div>P C V A I F K R S EpiNE8</div> <div>(13-21 of SEQ ID NO:13)</div>
1, 10, 11, 12	<div>P C I A F F P R Y EpiNE1</div> <div>(13-21 of SEQ ID NO:7)</div>
5	<div>P C I A F F Q R Y EpiNE5</div> <div>(13-21 of SEQ ID NO:14)</div>
2	<div>P C I A L F K R Y EpiNE2</div> <div>(13-21 of SEQ ID NO:15)</div>

IN THE SEQUENCE LISTING

Please enter the attached Sequence Listing, numbered as pages 1-77.